

06/29/99



## Telephone Call or Visit Record

COMPANY <b>LOW STAR NW</b>		Permit/DA No. <b>DA</b>	Date/Year <b>6/29/99</b>
Contact <b>Amell Hinson</b>	Office/Address <b>E. Marginal</b>	Time <b>1100</b> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	
Metro Employee <b>B</b>	Office	Telephone No. <b>764-3025</b>	
<input type="checkbox"/> Telephone <input checked="" type="checkbox"/> Conversation <input type="checkbox"/> Action <input checked="" type="checkbox"/> Incoming Call <input type="checkbox"/> Outgoing Call			
SUBJECT <b>Spill cement additive</b>			
SUMMARY <b>300 gallon of this polymer was contained in there 90,000 gallon collection system</b>			
<b>they have a DA only for the rare occasion like this when they can't discharge to the Dismal River</b>			
<b>gave them verbal approval to discharge this at there permitted discharge rate of 65,000 gpd</b>			
<b>(<math>\approx</math> 1 1/2 days)</b>			
<b>They have a sewer meter that is material will be well aerated</b>			
Action Required <b>Ok to discharge at the 65000 gpd rate</b>			
Action Taken		USEPA SF 1270107 <input type="checkbox"/> Continued on Back	



# LONE STAR NORTHWEST, INC.

P.O. Box 1730  
Seattle, WA 98111  
(206) 764-3000  
Fax: (206) 764-3014

## FAX TRANSMISSION COVER SHEET

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DATE: 6/29/99

TO: METRO

ATTENTION: JEFF BOWMAN

FAX: 263-3001

SUBJECT: MSDS SHEET

FROM: DAVRELL HERMAN

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*Including this cover sheet, the total number of pages for this fax is ( 10 )  
If you do not receive all the pages, please call (206) 764-3036.*

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D-05454

## MATERIAL SAFETY DATA SHEET

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**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MSDS PREPARED BY: Environmental Health Dept.-Grace Construction Products  
 W.R.Grace & Co.-Conn. W. R. Grace & Co. of Canada Ltd.  
 62 Whittemore Ave. 294 Clements Rd. West  
 Cambridge, MA 02140 Ajax, Ontario, L1S 3C6  
Telephone Number for Information and Emergency Response  
 In USA: (617) 876-1400 In Canada: (905) 683-8561

MSDS Number: D-05454 000001 Cancels MSDS # D-05429 Date: 05/08/1997

Trade Names and Synonyms:  
 (SEE SECTION 16 FOR ADDITIONAL  
 PRODUCT IDENTIFICATION)

ADVA™ Flow

Chemical Names and Family:

Carboxylated Polyether

Product Use:  
Formula:

Concrete Additive  
 MIXTURE-NA

CAS# (Chemical Abstract Service):

MIXTURE-NA

**SECTION 2 - HAZARDOUS INGREDIENT AND MAJOR COMPONENT INFORMATION**  
 (See Section 11 for Complete Chemical Names)

INGREDIENT:	Max. % By Wt.	EXPOSURE LIMITS (See Section 8 for Canadian Limits)		
		OSHA	ACGIH	OTHER
2-PROPENOIC...AMINE CAS# 83713-01-3	35.00	None Established	None Established	None Established
DIMETHOXANE CAS# 828-00-2	0.20	None Established	None Established	None Established

Working Ratio

1 gallon = 1 yard

flow enhancing properties

U-05434

INTERNAL USE ONLY

### SECTION 3 - HAZARDS IDENTIFICATION

#### Emergency Overview:

#### Warning Statements:

CAUTION! CONTACT MAY CAUSE SKIN AND EYE IRRITATION.

- ... Contains 2-Propenoic acid homopolymer reaction product with Polyalkoxyalkylamine CAS# 83713-01-3, Dimethoxane CAS#828-00-2 and Water CAS# 7732-18-5.
  - ... May cause eye and skin irritation.
  - ... Inhalation of vapors (caused by heating) or mists (caused by spraying) may cause respiratory irritation.
  - ... May be harmful if swallowed.
- 2491f

#### NPCA-HMIS Hazard Index:

- o Health: 1
- o Flammability: 1
- o Reactivity: 0
- o Personal Protection: B  
(See Section 8)

#### Potential Health Effects

##### Routes of Exposure:

##### Inhalation:

Vapor is not expected to cause any adverse health effects during typical handling. Exposure to high air concentrations of aerosols and mists, generated by spraying or by vapors caused by heating in poorly ventilated areas, may cause irritation of nose and throat. May result in headache, nausea and drowsiness.

##### Skin and Eye:

Direct contact with eyes and skin may cause irritation.

##### Ingestion:

Ingestion of large amounts may irritate the digestive system resulting in stomach pain, nausea and vomiting.

#### Carcinogenicity Information:

This product contains a small amount (0.2%) of Dimethoxane as a preservative. Dimethoxane is listed by IARC as a group 3 agent which is "not classifiable as to its carcinogenicity to humans". However, dimethoxane was shown to be carcinogenic in male rats after its oral administration (IARC) and there was equivocal evidence of carcinogenic activity when fed to mice (NTP). Risks from routine handling of this product are considered negligible. This section is not applicable to any other ingredients in this product.

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**SECTION 4 - FIRST AID MEASURES**

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- EYE:** Flush eyes immediately with plenty of water for at least 15 minutes while holding eyelids open. Consult a physician if discomfort or irritation persists.
- SKIN:** Wash skin with soap and water. Consult a physician if irritation develops. Remove contaminated clothing and wash prior to reuse.
- INGESTION:** If swallowed, drink 2 glasses of water and induce vomiting as directed by medical personnel. Consult a physician if discomfort or irritation persists. Never give anything by mouth to an unconscious person.
- INHALATION:** If inhaled and symptoms develop, get fresh air. If breathing has stopped, give artificial respiration then oxygen if needed. If irritation or discomfort persists, consult a physician.

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**SECTION 5 - FIRE FIGHTING MEASURES**

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Flash Point: 470°FMethod Used:LEL Unknown UEL UnknownN.F.P.A. Rating: H-1 F-1 R-0Extinguishing Media

In case of fire use water, dry chemical, Carbon dioxide or "alcohol" foam.

Special Fire Fighting Procedures

Not Applicable

Unusual Fire and Explosion Hazards

Not Applicable

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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**U.S. RELEASES**

Prevent product from entering drinking water supplies or streams. Observing above precautions, collect liquid or absorb liquid with an inert noncombustible material and remove for disposal. Use self-contained breathing apparatus or supplied air when responding to large spills in confined areas.

Spill reporting requirements and reportable quantities vary by region. In case of any spill or release, consult Section 6 and 15 of the MSDS and all applicable state and local regulations.

**CANADIAN RELEASES**

Prevent product from entering drinking water supplies or streams. Observe precautions above, collect liquid or absorb liquid with an inert, noncombustible material and remove for disposal.

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## SECTION 7 - HANDLING AND STORAGE INFORMATION

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### Precautionary Measures:

- ... Avoid breathing vapors in head space of drums or if product is heated.
  - ... Avoid contact with eyes and prolonged or repeated contact with skin.
  - ... Do not spray apply material without proper precautions.
  - ... Wash thoroughly after handling. Wash contaminated clothes before reuse.
  - ... Keep containers closed when not in use.
  - ... For professional use only. Keep out of children's reach.
- 2492f

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION/CANADIAN EXPOSURE LIMITS

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### Ventilation:

- Local Exhaust: Recommended if vapor or mist is created.
- Mechanical: Recommended if vapor or mist is created.
- Special: Not Applicable
- Other: Not Applicable

### Respiratory Protection:

Respiratory protection is not generally required. However, if specific use generates vapors or mists, a NIOSH-approved organic vapor respirator (Type TC-23C-XXX) with a prefilter for mists is recommended.

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### Skin Protection:

Impervious gloves should be worn to prevent prolonged or repeated skin contact.

### Eye Protection:

Goggles should be used when direct contact due to splashing is possible.

### Other Protective Clothing or Equipment:

Normal work clothes

### Work/Hygienic Practices:

This product may contain trace amounts of Acrylic acid, Ethylene oxide, and/or Propylene oxide. This condition creates the potential for the accumulation of vapor in the head space of shipping and storage containers or in enclosed areas if the product is spilled. Exposures during routine handling are expected to be below exposure limits.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION/CANADIAN EXPOSURE LIMITS (Cont'd)

Provincial Exposure Limits

Ingredients	ACGIH	ALBERTA	B.C.	ONTARIO	QUEBEC
2-PROPENOIC...AMINE					

NONE ESTABLISHED

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<u>Boiling Point:</u> >212°F/100°C	<u>Specific Gravity</u> (H <sub>2</sub> O=1) ~1.1
<u>Vapor Pressure</u> (mm Hg.) <0.01 mmHg	<u>% Volatiles</u> ~65% (As Water)
<u>Vapor Density</u> (AIR = 1) >1	<u>Evaporation Rate</u> (Butyl Acetate = 1) Not Applicable
<u>Solubility in Water:</u> Miscible	<u>pH</u> 3.5 - 5.5
<u>Bulk Density</u> (#/cu. ft): Not Applicable	
<u>Appearance and Odor:</u> Amber, yellow-liquid with a slight odor of acrylic acid.	
<u>Odor Threshold:</u> Not Determined	

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## SECTION 10 - STABILITY AND REACTIVITY

Stable under normal conditions (yes or no): YES

Conditions or Materials to avoid (which may react or cause instability):  
None Known

### Hazardous Decomposition or Byproducts:

Toxic levels of Ammonia, combustion products of Nitrogen, Carbon monoxide, Carbon dioxide, irritating Aldehydes and Ketones may be formed on burning.

### Hazardous Polymerization:

Will not occur

### Conditions to Avoid:

None Known

## SECTION 11 - TOXICOLOGICAL INFORMATION

### INGREDIENT

(Chemical Name,

CAS#, & Common Name)

2-Propenoic Acid

Homopolymer Reaction Product  
with Polyalkoxyalkylamine

CAS# 83713-01-3

TOXICITY DATA LD<sub>50</sub>, LC<sub>50</sub> etc.

(See Section 2 for Exposure Limits)

LD<sub>50</sub> (oral, rat) >500 mg/kg

LD<sub>50</sub> (skin, rabbit) >1000 mg/kg

Dimethoxane

CAS#828-00-2

LD<sub>50</sub> (oral, rat) 1930 mg/kg

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SECTION 12 - ECOLOGICAL INFORMATION

None Available At This Time

SECTION 13 - DISPOSAL CONSIDERATIONS

U.S. DISPOSAL

According to EPA (40 CFR 261) waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable local, state and federal regulations.

Consult all regulations (federal, state, provincial, local etc.) or a qualified waste disposal firm when characterizing waste for disposal. Dispose of waste in accordance with all applicable regulations.

CANADIAN DISPOSAL

Consult all regulations (federal, state, provincial, local etc.) or a qualified waste disposal firm when characterizing waste for disposal. Dispose of waste in accordance with all applicable regulations.

SECTION 14 - TRANSPORT INFORMATION

Transportation Hazard Classification

	United States DOT	Canadian Regulations
<u>PROPER SHIPPING:</u>	Not Applicable	<u>TDG CLASS:</u> Not Regulated
<u>NAME</u>		
<u>HAZARD CLASS:</u>	Not Applicable	
<u>IDENTIFICATION #:</u>	Not Applicable	
<u>LABEL(s) REQUIRED:</u>	Not Applicable	

Surface Freight Classification:

Concrete/Masonry Plasticizer and Water Reducing Compound

**SECTION 15 - REGULATORY INFORMATION**

(Not Meant To Be All Inclusive  
Selected Regulations Represented)

**SARA Title III Reporting Information**

**Tier I & II Hazard Categories:**

IMMEDIATE (ACUTE) HEALTH

**Contains Extremely Hazardous-SARA III Section 302 Ingredient:** NO  
**Comments:**

**Contains Toxic Chemical Release-SARA III Section 313 Ingredient:** NO  
**Comments:**

**Other Government Reporting Requirements:**

**TOXIC SUBSTANCE CONTROL ACT (TSCA):** All components in this product are included in the TSCA inventory and/or exempt from listing in accordance with the Polymer Exemption Rule (40 CFR 723.250). This product contains trace amounts of Acrylic Acid, isopropyl alcohol and acetone which are subject to export notification requirements in accordance with Section 12 (b) of TSCA.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):** All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA).

**CALIFORNIA PROPOSITION 65 INFORMATION:** WARNING! This product may contain trace amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**HMIS CLASS:** D-2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR). This MSDS contains all the information required by the CPR.

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**Nonhazardous Ingredient Disclosure:**

Water CAS# 7732-18-5

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MATERIAL SAFETY DATA SHEET

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SECTION 16 - OTHER INFORMATION

The information contained in this Material Safety Data Sheet is applicable to the following products:

ADVA™ FLOW

"THE DATA INCLUDED HEREIN ARE PRESENTED IN ACCORDANCE WITH VARIOUS ENVIRONMENT, HEALTH AND SAFETY REGULATIONS. IT IS THE RESPONSIBILITY OF A RECIPIENT OF THIS DATA TO REMAIN CURRENTLY INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS OWN PROGRAM AND TO COMPLY WITH ALL NATIONAL, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS APPLICABLE TO SAFETY, OCCUPATIONAL HEALTH, RIGHT-TO-KNOW AND ENVIRONMENTAL PROTECTION."